

Appendix 1

Cochrane Database

ID	SEARCH	RESULT
#1	(Circumcision):ti,ab,kw	823
#2	(male circumcision):ti,ab,kw	644
#3	(Traditional circumcision):ti,ab,kw	28
#4	(traditional initiation):ti,ab,kw	530
#5	(traditional male initiation):ti,ab,kw	215
#6	(TMC):ti,ab,kw	153
#7	(traditional male circumcision):ti,ab,kw	22
#8	(indigenous male circumcision):ti,ab,kw	0
#9	(traditionally circumcised):ti,ab,kw	7
#10	(traditionally circumcised male):ti,ab,kw	7
#11	(open circumcision):ti,ab,kw	37
#12	(traditional men circumcision):ti,ab,kw	4
#13	(sifon):ti,ab,kw	1
#14	(traditionally circumcised men):ti,ab,kw	7
#15	(traditionally circumcised husband):ti,ab,kw	0
#16	(traditional practice of male circumcision):ti,ab,kw	4
#17	(practice of traditional men circumcision):ti,ab,kw	0
#18	(ritual traditional circumcision):ti,ab,kw	1
#19	(ritual initiation):ti,ab,kw	4
#20	#1 OR #2 OR #3 OR #4 OR #5 OR #6 OR #7 OR #8 OR #9 OR #10 OR #11 OR #12 OR #13 OR #14 OR #15 OR #16 OR #17 OR #18 OR #19	1,505
#21	(HIV infect*):ti,ab,kw	22,735
#22	(HIV prevention):ti,ab,kw	7,379
#23	(HIV control):ti,ab,kw	9,181
#24	(human immunodeficiency virus):ti,ab,kw	13,087
#25	(AIDS):ti,ab,kw	11,037
#26	(sexually transmitted infections):ti,ab,kw	1,782
#27	(risk of HIV infection):ti,ab,kw	4,161
#28	(HIV transmission):ti,ab,kw	2,970
#29	(sexually transmitted diseases*):ti,ab,kw	2,307
#30	#21 OR #22 OR #23 OR #24 OR #25 OR #26 OR #27 OR #28 OR #29	34,349
#31	(impact*):ti,ab,kw	140,990
#32	(psychological wellbeing):ti,ab,kw	7,265
#33	(distress):ti,ab,kw	24,913
#34	(economic impacts):ti,ab,kw	481

#35	(social effect):ti,ab,kw	18,607
#36	(stigma):ti,ab,kw	2,829
#37	(discrimination):ti,ab,kw	6,029
#38	(unproductive husband):ti,ab,kw	0
#39	(loss of job):ti,ab,kw	274
#40	(loss income):ti,ab,kw	717
#41	(health):ti,ab,kw	275,486
#42	(powerlessness):ti,ab,kw	55
#43	(worthlessness):ti,ab,kw	48
#44	(social distance):ti,ab,kw	1,128
#45	(social isolation):ti,ab,kw	1,536
#46	(stress):ti,ab,kw	69,129
#47	(mental health):ti,ab,kw	36,701
#48	#31 OR #32 OR #33 OR #34 OR #35 OR #36 OR #37 OR #38 OR #39 OR #40 OR #41 OR #42 OR #43 OR #44 OR #45 OR #46 OR #47	440,867
#49	(Developing countries):ti,ab,kw	4,556
#50	(less developed):ti,ab,kw	11,004
#51	(disadvantaged):ti,ab,kw	1,475
#52	(resource limited):ti,ab,kw	2,307
#53	(poor):ti,ab,kw	47,530
#54	(low*):ti,ab,kw	444,090
#55	(middle income*):ti,ab,kw	4,451
#56	(region*):ti,ab,kw	57,105
#57	(area*):ti,ab,kw	125,969
#58	(low resource regions):ti,ab,kw	86
#59	(resource limited regions):ti,ab,kw	62
#60	(resource limited countr*):ti,ab,kw	603
#61	(pacific countries):ti,ab,kw	206
#62	(developed countries):ti,ab,kw	3,507
#63	#49 OR #50 OR #51 OR #52 OR #53 OR #54 OR #55 OR #56 OR #57 OR #58 OR #59 OR #60 OR #61 OR #62	604,139
#64	#20 AND #30 #48 AND #63	104

Pubmed

ID	Search	Result
#1	Circumcision	9,524
#2	Male circumcision	7,140
#3	Traditional circumcision	724
#4	Traditional initiation	25,522

#5	Traditional male initiation	7,538
#6	TMC	18,118
#7	Traditional male circumcision	433
#8	Indigenous male circumcision	18
#9	Traditionally circumcised	104
#10	Traditionally circumcised male	85
#11	Open circumcision	189
#12	Traditional men circumcision	132
#13	Sifon	6
#14	Traditionally circumcised men	46
#15	Traditionally circumcised husband	3
#16	Traditional practice of male circumcision	231
#17	Practice of traditional men circumcision	89
#18	Ritual traditional circumcision	81
#19	Ritual initiation	376
#20	#1 OR #2 OR #3 OR #4 OR #5 OR #6 OR #7 OR #8 OR #9 OR #10 OR #11 OR #12 OR #13 OR #14 OR #15 OR #16 OR #17 OR #18 OR #19	53,328
#21	HIV infect**	321, 398
#22	HIV prevention	110,968
#23	HIV control	118,789
#24	human immunodeficiency virus	414,981
#25	AIDS	295,363
#26	sexually transmitted infections	382,177
#27	risk of HIV infection	91,619
#28	HIV transmission	61,338
#29	sexually transmitted diseases*	47,282
#30	#21 OR #22 OR #23 OR #24 OR #25 OR #26 OR #27 OR #28 OR #29	606,521
#31	impact*	1,451,654
#32	psychological wellbeing	40,200
#33	distress	173,116
#34	economic impacts	134,222
#35	social effect	373,469
#36	stigma	35,752
#37	discrimination	328,352
#38	unproductive husband	3
#39	loss of job	3,248
#40	loss income	7,152
#41	health	5,932,617
#42	powerlessness	2,188
#43	worthlessness	907
#44	social distance	18,568

#45	social isolation	41,345
#46	stress	1,181,113
#47	mental health	471,114
#48	#31 OR #32 OR #33 OR #34 OR #35 OR #36 OR #37 OR #38 OR #39 OR #40 OR #41 OR #42 OR #43 OR #44 OR #45 OR #46 OR #47	8,094,384
#49	Developing countries	152,805
#50	less developed	397,001
#51	disadvantaged	115,498
#52	resource limited	112,693
#53	poor	753,973
#54	low*	2,817,510
#55	middle income*	78,651
#56	region*	2,238,390
#57	area*	1,819,969
#58	low resource regions	41,929
#59	resource limited regions	46,087
#60	resource limited countr*	17,754
#61	pacific countries	8,089
#62	developed countries	100,459
#63	#49 OR #50 OR #51 OR #52 OR #53 OR #54 OR #55 OR #56 OR #57 OR #58 OR #59 OR #60 OR #61 OR #62	7,164,066
#64	#20 AND #30 AND #48 AND #63	1,091

CINHAL (15/9/2022)

ID	Data search	Result
S1	Circumcision	2,744
S2	male circumcision	1,799
S3	traditional circumcision	69
S4	Traditional initiation	62
S5	Traditional male initiation	5
S6	TMC	279
S7	Traditional male circumcision	25
S8	Indigenous male circumcision	1
S9	Traditionally circumcised	15
S10	Traditionally circumcised male	3
S11	Open circumcision	2
S12	Traditional men circumcision	8
S13	Sifon	3
S14	Traditionally circumcised men	8

S15	Traditionally circumcised husband	28
S16	Traditional practice of male circumcision	4
S17	Practice of traditional men circumcision	863
S18	Ritual traditional circumcision	2
S19	Ritual initiation	14
S20	Circumcision OR male circumcision OR traditional circumcision OR traditional initiation OR traditional male initiation OR TMC OR traditional male circumcision OR indigenous male circumcision OR traditionally circumcised OR traditionally circumcised male OR open circumcision OR traditional men circumcision OR sifon OR traditionally circumcised men OR traditionally circumcised husband OR traditional practice of male circumcision OR practice of traditional men circumcision OR ritual traditional circumcision OR ritual initiation	3,085
S21	HIV infect*	90,037
S22	HIV prevention	26,675
S23	HIV control	24,023
S24	human immunodeficiency virus	126,951
S25	AIDS	72,540
S26	sexually transmitted infections	14,067
S27	risk of HIV infection	9,134
S28	HIV transmission	14,251
S29	sexually transmitted diseases*	17,446
S30	HIV infect* OR HIV prevention OR HIV control OR human immunodeficiency virus OR AIDS OR sexually transmitted infections OR risk of HIV infection OR HIV transmission OR sexually transmitted diseases*	175,524
S31	impact*	459,260
S32	psychological wellbeing	1,672
S33	distress	69,006
S34	economic impacts	6,098
S35	social effect	11,476
S36	stigma	28,392
S37	discrimination	39,690
S38	unproductive husband	1
S39	loss of job	1,187
S40	loss income	686
S41	Health impacts	44,686
S42	powerlessness	1,623
S43	worthlessness	228
S44	social distance	973
S45	social isolation	13,906
S46	stress	244,267

S47	mental health	180,215
S48	impact* OR psychological wellbeing OR distress OR economic impacts OR social effect OR stigma OR discrimination OR unproductive husband OR loss of job OR loss income OR health impacts OR powerlessness OR worthlessness OR social distance OR social isolation OR stress OR mental health	916,125
S49	Developing countries	32,517
S50	less developed	1,705
S51	disadvantaged	9,081
S52	resource limited	10,721
S53	poor	167,926
S54	low*	898,051
S55	middle income*	15,462
S56	region*	206,608
S57	area*	361,412
S58	low resource regions	39
S59	resource limited regions	119
S60	resource limited countr*	982
S61	pacific countries	580
S62	developed countries	13,338
S63	S49 OR S50 OR S51 OR S52 OR S53 OR S54 OR S55 OR S56 OR S57 OR S58 OR S59 OR S60 OR S61 OR S62	1,448,156
S64	(Circumcision OR “male circumcision” OR “traditional circumcision” OR “traditional initiation” OR “traditional male initiation” OR TMC OR “traditional male circumcision” OR “indigenous male circumcision” OR “traditionally circumcised” OR “traditionally circumcised male” OR “open circumcision” OR “traditional men circumcision” OR sifon OR “traditionally circumcised men” OR “traditionally circumcised husband” OR “traditional practice of male circumcision” OR “practice of traditional men circumcision” OR “ritual traditional circumcision” OR “ritual initiation”) AND (“HIV infect*” OR “HIV prevention” OR “HIV control” OR “human immunodeficiency virus” OR AIDS OR “sexually transmitted infections” OR “risk of HIV infection” OR “HIV transmission” OR “sexually transmitted diseases*”) AND (“impact*” OR “psychological wellbeing” OR distress OR “economic impacts” OR “social effect” OR stigma OR discrimination OR “unproductive husband” OR “loss of job” OR “loss income” OR “health impacts” OR powerlessness OR worthlessness OR “social distance” OR “social isolation” OR stress OR “mental health”) AND (“developing countries” OR “less developed” OR disadvantaged OR “resource limited” OR poor OR low* OR	50

	“middle income*” OR region* OR area* OR “low resource regions” OR “resource limited regions” OR “resource limited countr*” OR “developed countries” OR “pacific countries”)	
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Medline (15/09/22)

ID	Key Search	Result
S1	Circumcision	9,374
S2	male circumcision	6,065
S3	traditional circumcision	195
S4	Traditional initiation	165
S5	Traditional male initiation	12
S6	TMC	2,949
S7	Traditional male circumcision	61
S8	Indigenous male circumcision	2
S9	Traditionally circumcised	23
S10	Traditionally circumcised male	6
S11	Open circumcision	14
S12	Traditional men circumcision	12
S13	Sifon	5
S14	Traditionally circumcised men	13
S15	Traditionally circumcised husband	63
S16	Traditional practice of male circumcision	14
S17	Practice of traditional men circumcision	3,083
S18	Ritual traditional circumcision	8
S19	Ritual initiation	43
S20	Circumcision OR male circumcision OR traditional circumcision OR traditional initiation OR traditional male initiation OR TMC OR traditional male circumcision OR indigenous male circumcision OR traditionally circumcised OR traditionally circumcised male OR open circumcision OR traditional men circumcision OR sifon OR traditionally circumcised men OR traditionally circumcised husband OR traditional practice of male circumcision OR practice of traditional men circumcision OR ritual traditional circumcision OR ritual initiation	12,495
S21	HIV infect*	270,768
S22	HIV prevention	30,071
S23	HIV control	15,837
S24	human immunodeficiency virus	113,022
S25	AIDS	299,295

S26	sexually transmitted infections	36,312
S27	risk of HIV infection	14,681
S28	HIV transmission	22,859
S29	sexually transmitted diseases*	45,085
S30	HIV infect* OR HIV prevention OR HIV control OR human immunodeficiency virus OR AIDS OR sexually transmitted infections OR risk of HIV infection OR HIV transmission OR sexually transmitted diseases*	509,496
S31	impact*	1,446,702
S32	psychological wellbeing	2,963
S33	distress	162,321
S34	economic impacts	22,060
S35	social effect	27,700
S36	stigma	36,196
S37	discrimination	168,953
S38	unproductive husband	3
S39	loss of job	2,135
S40	loss income	1,788
S41	Health impacts	107,509
S42	powerlessness	1,391
S43	worthlessness	456
S44	social distance	4,093
S45	social isolation	24,605
S46	stress	1,141,833
S47	mental health	396,591
S48	impact* OR psychological wellbeing OR distress OR economic impacts OR social effect OR stigma OR discrimination OR unproductive husband OR loss of job OR loss income OR health impacts OR powerlessness OR worthlessness OR social distance OR social isolation OR stress OR mental health	3,099,234
S49	Developing countries	146,228
S50	less developed	10,682
S51	disadvantaged	16,667
S52	resource limited	34,488
S53	poor	699,351
S54	low*	4,964,973
S55	middle income*	35,250
S56	region*	2,226,728
S57	area*	1,811,466
S58	low resource regions	164
S59	resource limited regions	561
S60	resource limited countr*	3,538

S61	pacific countries	1,961
S62	developed countries	67,110
S63	developing countries OR less developed OR disadvantaged OR resource limited OR poor OR low* OR middle income* OR region* OR area* OR low resource regions OR resource limited regions OR resource limited countr* OR developed countries OR pacific countries	8,482,340
S64	(Circumcision OR male circumcision OR traditional circumcision OR traditional initiation OR traditional male initiation OR TMC OR traditional male circumcision OR indigenous male circumcision OR traditionally circumcised OR traditionally circumcised male OR open circumcision OR traditional men circumcision OR sifon OR traditionally circumcised men OR traditionally circumcised husband OR traditional practice of male circumcision OR practice of traditional men circumcision OR ritual traditional circumcision OR ritual initiation) AND (HIV infect* OR HIV prevention OR HIV control OR human immunodeficiency virus OR AIDS OR sexually transmitted infections OR risk of HIV infection OR HIV transmission OR sexually transmitted diseases*) AND (impact* OR psychological wellbeing OR distress OR economic impacts OR social effect OR stigma OR discrimination OR unproductive husband OR loss of job OR loss income OR health impacts OR powerlessness OR worthlessness OR social distance OR social isolation OR stress OR mental health) AND (developing countries OR less developed OR disadvantaged OR resource limited OR poor OR low* OR middle income* OR region* OR area* OR low resource regions OR resource limited regions OR resource limited countr* OR developed countries OR pacific countries)	206

Scopus (13/9/2022)

(TITLE-ABS-KEY (circumcision OR "male circumcision" OR "traditional circumcision" OR "traditional initiation" OR "traditional male initiation" OR tmc OR "traditional male circumcision" OR "indigenous male circumcision" OR "traditionally circumcised" OR "traditionally circumcised male" OR "open circumcision" OR "traditional men circumcision" OR sifon OR "traditionally circumcised men" OR "traditionally circumcised husband" OR "traditional practice of male circumcision" OR "practice of traditional men circumcision" OR "ritual traditional circumcision" OR "ritual initiation")) AND (TITLE-ABS-KEY ("HIV infect*" OR "HIV prevention" OR "HIV control" OR "human immunodeficiency virus" OR aids OR "sexually transmitted infections" OR "risk of HIV infection" OR "HIV transmission" OR "sexually transmitted diseases*")) AND (TITLE-ABS-KEY ("impact*" OR "psychological

wellbeing" OR distress OR "economic impacts" OR "social effect" OR stigma OR discrimination OR "unproductive husband" OR "loss of job" OR "loss income" OR "health impacts" OR powerlessness OR worthlessness OR "social distance" OR "social isolation" OR stress OR "mental health")) AND (TITLE-ABS-KEY ("developing countries" OR "less developed" OR disadvantaged OR "resource limited" OR poor OR low* OR "middle income*" OR region* OR area* OR "low resource regions" OR "resource limited regions" OR "resource limited countr*" OR "developed countries" OR "pacific countries"))

Result: 245

Proquest (15/09/2022)

noft(Circumcision OR "male circumcision" OR "traditional circumcision" OR "traditional initiation" OR "traditional male initiation" OR TMC OR "traditional male circumcision" OR "indigenous male circumcision" OR "traditionally circumcised" OR "traditionally circumcised male" OR "open circumcision" OR "traditional men circumcision" OR sifon OR "traditionally circumcised men" OR "traditionally circumcised husband" OR "traditional practice of male circumcision" OR "practice of traditional men circumcision" OR "ritual traditional circumcision" OR "ritual initiation") AND ("HIV infect*" OR "HIV prevention" OR "HIV control" OR "human immunodeficiency virus" OR AIDS OR "sexually transmitted infections" OR "risk of HIV infection" OR "HIV transmission" OR "sexually transmitted diseases*") AND ("impact*" OR "psychological wellbeing" OR distress OR "economic impacts" OR "social effect" OR stigma OR discrimination OR "unproductive husband" OR "loss of job" OR "loss income" OR "health impacts" OR powerlessness OR worthlessness OR "social distance" OR "social isolation" OR stress OR "mental health") AND ("developing countries" OR "less developed" OR disadvantaged OR "resource limited" OR poor OR low* OR "middle income*" OR region* OR area* OR "low resource regions" OR "resource limited regions" OR "resource limited countr*" OR "developed countries" OR "pacific countries")

Result: 1345